10/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00755887
FLEXIBLE ARTIFICIAL NERVE PLATE
FLEXIBLE KUNSTLICHE NERVENPLATTE
PLAQUETTE ARTIFICIELLE SOUPLE DE REMPLACEMENT DE NERFS
PATENT ASSIGNEE:
Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V., (211772), Leonrodstrasse 54, 80636 Munchen, (DE), (Proprietor designated states: all)
INVENTOR:
MEYER, Jorg-Uwe, Rheinstrasse 20, D-66386 St. Ingbert, (DE)
STIEGLITZ, Thomas, Marsstrasse 7, D-66954 Pirmasens, (DE)
PATENT (CC, No, Kind, Date): EP 928212 A1 990714 (Basic)
EP 928212 B1 021002
WO 96002298 960201
APPLICATION (CC, No, Date): EP 95925870 950713; WO 95EP2754 950713
PRIORITY (CC, No, Date): DE 4424697 940713
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: A61N-001/05
CITED PATENTS (EP B): WO 93/20887 A; US 3738368 A; US 3955560 A
CITED REFERENCES (EP B):
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, Nr. 9, September 1992 NEW YORK USA, Seiten 893-902, XP 000322966 G. T. A. KOVACS, C.W. STORMENT, J. M. ROSEN 'Regeneration Microelectrode Array for Peripheral Nerve Recording and Stimulation'
PROCEEDINGS OF THE ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY, Bd. 15, Nr. 1, 28. - 31.Oktober 1993 SAN DIEGO,CALIFORNIA USA, Seiten 1247-1248, XP 000452850 D.J.TYLER, D. DURAND 'Design and acute test of a radially penetrating interfascicular nerve electrode';
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):
Examination: 020130 A1 Date of dispatch of the first examination report: 20011212
Application: 960508 A International application (Art. 158(1))
Grant: 021002 B1 Granted patent
Application: 990714 A1 Published application (A1with Search Report ;A2without Search Report)
Examination: 990714 A1 Date of filing of request for examination: 970109
LANGUAGE (Publication,Procedural,Application): German; German; German
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200240	438
CLAIMS B	(German)	200240	349
CLAIMS B	(French)	200240	522
SPEC B	(German)	200240	2536
Total word count - document A			0
Total word count - document B			3845
Total word count - documents A + B			3845

...SPECIFICATION B1
Die Erfindung betrifft eine **flexible** und nicht leitende, kunstliche **implantierbare Nervenplatte** (FNP) zum Einlegen und Einfugen zwischen die Faszikel eines Nervenbundels.

Technisches Anwendungsgebiet
Das technische Anwendungsgebiet...grose Verbesserung gegenuber dem Stand der Technik dar.

Mit der Erfindung geloste Aufgaben
Mit der **implantierbaren , flexiblen Nervenplatte** ist es moglich, entlang mehrerer Faszikel oder Nervenfasern dauerhaft multilokal und

simulatan Nervensignale abzuleiten und...

...CLAIMS B1
1. **Flexible** and non-conducting artificial **implantable neural** terminal plate with a modulus of **elasticity** of 3,000 to 1,000 N/mm2) and a thickness of < 50(mu...
...CLAIMS B1
1. **Flexible** und nicht leitende, kunstliche, **implantierbare Nervenplatte** mit einem E-Modul von 3000 - 1000 N/mm2) und einer Dicke < 50 (mu...

10/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00411903
BIDIRECTIONAL HELICAL ELECTRODE FOR NERVE STIMULATION
BIDIREKTIONELLE SCHRAUBENFORMIGE ELEKTRODE ZUR STIMULIERUNG DER NERVEN
ELECTRODE HELICO DALE BIDIRECTIONNELLE POUR LA STIMULATION NERVEUSE
PATENT ASSIGNEE:
HUNTINGTON MEDICAL RESEARCH INSTITUTES, (1103170), 734 Fairmont Avenue, Pasadena, CA 91105, (US), (applicant designated states: BE;CH;DE;FR;GB;IT;LI;NL;SE)
INVENTOR:
BULLARA, Leo, A., 704 East Kirkwall Road, Glendora, CA 91740, (US)
LEGAL REPRESENTATIVE:
Holdcroft, James Gerald, Dr. et al (31911), Graham Watt & Co., Riverhead, Sevenoaks, Kent TN13 2BN, (GB)
PATENT (CC, No, Kind, Date): EP 438510 A1 910731 (Basic)
EP 438510 A1 920826
EP 438510 B1 960828
WO 9003824 900419
APPLICATION (CC, No, Date): EP 89912081 891010; WO 89US4519 891010
PRIORITY (CC, No, Date): US 256702 881012
DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: A61N-001/05;
CITED PATENTS (EP A): FR 2038813 A; US 4026300 A
CITED PATENTS (WO A): US 4573481 A; US 4590946 A; US 4602624 A; US 4750499 A; FR 2525110 A
CITED REFERENCES (EP A):
See also references of WO9003824;
CITED REFERENCES (WO A):
Journal of Neuroscience Methods, Vol. 5, No. 3, issued March 1982, C. JULIEN "Electroneurographic recordings with polymer cuff electrodes in paralyzed cats" see pages 267-272.;
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	910731	A1	Published application (A1with Search Report ;A2without Search Report)
Examination:	910731	A1	Date of filing of request for examination: 910327
Search Report:	920826	A1	Drawing up of a supplementary European search report: 920710
Examination:	940706	A1	Date of despatch of first examination report: 940526
Grant:	960828	B1	Granted patent
Oppn None:	970820	B1	No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	675
CLAIMS B	(German)	EPAB96	736
CLAIMS B	(French)	EPAB96	733
SPEC B	(English)	EPAB96	3019
Total word count - document A			0
Total word count - document B			5163

Total word count - documents A + B 5163

...SPECIFICATION movement of adjacent tissue or skeletal structure.
The present invention provides:

An electrode assembly for **implantation** on a **nerve** , comprising:

a **flexible** supporting matrix of dielectric material, the matrix forming a helical portion extending circumferentially at least...

...CLAIMS B1
1. An electrode assembly (10) for **implantation** on a **nerve** (36), comprising:

a **flexible** supporting matrix (11) of dielectric material, the matrix (11) forming a helical portion (13) extending...

...combination of an electrode assembly and insertion tool, where the electrode assembly (10) is for **implantation** on a **nerve** , the assembly (10) comprising:

a **flexible** supporting matrix (11) of dielectric material, the matrix (10) forming a helix (13) with at...

10/5,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00921388 **Image available**
SIEVE ELECTRODE WHICH CAN BE CONNECTED TO A NERVE STUMP
ELECTRODE PERFOREE A RELIER A UN MOIGNON NERVEUX
SIEBELEKTRODE ZUR ANBINDUNG AN EINEN NERVENSTUMPF
Patent Applicant/Assignee:
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E V, Leonrodstr. 54, 80636 Munchen, DE, DE (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
STIEGLITZ Thomas, Herderstr. 7, 66564 Ottweiler, DE, DE (Residence), DE (Nationality), (Designated only for: US)
MEYER Jorg-Uwe, Triftstrasse 17a, 66386 St. Ingbert, DE, DE (Residence), DE (Nationality), (Designated only for: US)
SCHUTTLER Martin, Mainzer Strasse 22, 66111 Saarbrucken, DE, DE (Residence), DE (Nationality), (Designated only for: US)
BRINKER Thomas, Pastenallee 6, 30655 Hannover, DE, DE (Residence), DE (Nationality), (Designated only for: US)
Legal Representative:
GAGEL Roland (agent), Landsberger Str. 480a, 81241 Munchen, DE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200255151 A1 20020718 (WO 0255151)
Application: WO 2002DE48 20020110 (PCT/WO DE0200048)
Priority Application: DE 10101026 20010111; DE 10102183 20010118
Designated States: US
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: A61N-001/05
Publication Language: German
Filing Language: German
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 2813

English Abstract
The invention relates to a sieve electrode which can be connected to a nerve stump, comprising a thin flexible substrate (1) provided with a plurality of through openings (2) for nerve fibres, several electrodes (3) disposed in said through openings and at least one counter electrode (4). The substrate (1) has clips (6) protruding from the end thereof

which are used to fix the substrate (1) onto a front face of the nerve stump and also act as supports for the counter electrode (4). The sieve electrode acts as a neurotechnological interface which offers little risk of causing damage when it is brought into contact with the nerve stump and which has a maximum useable surface for the through openings.

French Abstract

La presente invention concerne une electrode perforee destinee a etre reliee a un moignon nerveux. Cette electrode se compose d'un substrat (1) flexible de faible epaisseur qui comprend une pluralite d'orifices (2) permettant le passage de fibres nerveuses, plusieurs electrodes (3) disposees dans les orifices et au moins une contre-electrode (4). Le substrat (1) presente a sa peripherie des languettes (6) en saillie qui permettent de le fixer a une face frontale du moignon nerveux et qui servent en meme temps de support pour la contre-electrode (4). Cette electrode perforee constitue une interface neurotechnologique qui permet une mise en contact du moignon nerveux sans grand risque d'endommagement tout en garantissant une utilisation optimale de la surface pour les orifices.

German Abstract

Die vorlieegnde Erfindung betrifft eine Siebelektrode zur Anbindung an einen Nervenstumpf, die sich aus einem dunnen flexiblen Substrat (1) mit einer Vielzahl von Durchgangsoffnungen (2) fur Nervenfasern, mehreren an Durchgangsoffnungen vorgesehenen Elektroden (3) sowie zumindest einer Gegenelektrode (4) zusammensetzt. Das Substrat (1) weist am Rand gervorstehende Laschen (6) zur Fixierung des Substrates (1) an einer Strirnflache des Nervenstumpfes auf, die gleichzeitig als Trager fur die Gegenelektrode (4) dienen. Mit dieser Siebelektrode wird eine neurotechnologische Schnittstelle bereitgestellt, die eine schadigungsarme Kontaktierung des Nervenstumpfes bei einer maximal ausnutznaren Flache fur Durchgangsoffnungen aufweist.

Legal Status (Type, Date, Text)

Publication	20020718	A1 With international search report.
Publication	20020718	A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination	20020906	Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... werden.

BEZUGSZEICHENLISTE
flexibles Substrat
2 Durchgangsoffnungen, Sieblocher
Ableit- bzw. Ansteuerelektroden
Gegenelektroden
Leiterbahnen
flexible Laschen
7 **flexible** Zufuhrung
Durchgangsoffnungen an den Laschen
Ankopplungsschnittstelle am Nervenstumpf
Nerv
Nervenstumpf
12 **Implantat** mit telemetrischer Signal- und Energieubertragung
kunstliche Gliedmasse
Verbindungsleitung

10/5,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00908137 **Image available**
INFLATABLE NEURAL PROSTHESIS
PROTHESE NEURONALE GONFLABLE
Patent Applicant/Assignee:
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Cambridge, MA 02139, US, US (Residence), US (Nationality)
Inventor(s):
WYATT John L, 258 Goodman's Hill Road, Sudbury, MA 01776, US,
SHIRE Douglas B, 128 Rachel Carson Way, Ithaca, NY 14850, US,
RIZZO Joseph, 116 Commonwealth Avenue, Boston, MA 02116, US,
Legal Representative:
PASTERNACK Sam (agent), Choate, Hall & Stewart, Exchange Place, 53 State Street, Boston, MA 02109, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200241814 A2 20020530 (WO 0241814)
Application: WO 2001US43241 20011120 (PCT/WO US0143241)
Priority Application: US 2000717738 20001121
Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: A61F-009/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 2714

English Abstract
Neural prosthesis for implantation within an eye. The prosthesis includes a foldable substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

French Abstract
L'invention concerne une prothese neuronale en vue de l'implantation dans un oeil. Cette prothese concerne un substrat repliable et au moins un composant electronique supporte par ce substrat. Au moins un microcanal est place dans le substrat. Lors du gonflage, le substrat repliable va se deplier pour assurer un contact etroit du composant electronique avec le tissu neuronal, ce qui facilite l'implantation chirurgicale par une incision etroite, tout en permettant au dispositif deplie de recouvrir une partie suffisamment large de la retine du patient pour assurer une vision utile.

Legal Status (Type, Date, Text)
Publication 20020530 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:
Claims

Claim
... of claim 5 wherein the central region comprises silicon and the projecting structures comprise a **flexible** insulating polymer.

8 The **neural prosthesis** of claim 3 wherein the electrode array includes activated iridiurn electrodes.

9 The neural prosthesis...

10/5,K/5 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00908083 **Image available**

INFLATABLE NEURAL PROSTHESIS

PROTHESE NEURALE GONFLABLE

Patent Applicant/Assignee:
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Inventor(s):
WYATT John L, 258 Goodman's Hill Road, Sudbury, MA 01776, US,
SHIRE Douglas B, 128 Rachel Carson Way, Ithaca, NY 14850, US,
RIZZO Joseph, 116 Commonwealth Avenue, Boston, MA 02116, US,

Legal Representative:
PASTERNACK Sam (agent), Choate, Hall & Stewart, Exchange Place, 53 State Street, Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200241754 A2 20020530 (WO 0241754)
Application: WO 2001US43343 20011119 (PCT/WO US0143343)
Priority Application: US 2000717738 20001121

Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61B
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 2723

English Abstract
Neural prosthesis for implantation within an eye. The prosthesis includes a foldable substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

French Abstract
L'invention concerne une prothese neurale destinee a etre implantee dans un oeil. Cette prothese comprend un substrat pliable et au moins un composant electronique supporte par le substrat. Au moins un microcanal est dispose a l'interieur du substrat. Au moment du gonflage, le substrat pliable se deplie de facon a procurer un contact etroit entre le composant electronique et le tissu neural, facilitant ainsi l'implantation chirurgicale par une mince incision tout en permettant au dispositif deplie de couvrir une partie suffisamment etendue de la retine du patient pour procurer une vision utile.

Legal Status (Type, Date, Text)
Publication 20020530 A2 Without international search report and to be republished upon receipt of that report.
Withdrawal 20020906 Withdrawal of international application after international publication

Fulltext Availability:
Claims

Claim
... of claim 5 wherein the central region comprises silicon and the projecting structures comprise a **flexible** insulating polymer.

8 The **neural prosthesis** of claim 3 wherein the electrode array includes activated iridium electrodes.

9 The neural prosthesis...

10/5,K/6 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00906445 **Image available**
ELECTROPROCESSED COLLAGEN
COLLAGENE SOUMIS A TRAITEMENT ELECTRIQUE
Patent Applicant/Assignee:
VIRGINIA COMMONWEALTH UNIVERSITY INTELLECTUAL PROPERTY FOUNDATION, 1101 East Marshall Street, Room 2015, Richmond, VA 23298, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SIMPSON David G, 10265 Cloverlea Court, Mechanicsville, VA 23116, US, US (Residence), US (Nationality), (Designated only for: US)
BOWLIN Gary L, 7437 Brook Way Court, Mechanicsville, VA 23111, US, US (Residence), US (Nationality), (Designated only for: US)
WNEK Gary E, 12508 Rocky River Drive, Midlothian, VA 23113-7141, US, US (Residence), US (Nationality), (Designated only for: US)
STEVENS Peter J, 8617 Joshua Court, N. Richland Hills, TX 76180, US, US (Residence), GB (Nationality), (Designated only for: US)
CARR Marcus E Jr, 2540 Swanhurst Drive, Midlothian, VA 23113, US, US (Residence), US (Nationality), (Designated only for: US)
MATTHEWS Jamil A, 701 Masters Row, Apt. J, Glen Allen, VA 23059, US, US (Residence), US (Nationality), (Designated only for: US)
RAJENDRAN Saravanamoorthy, 32 Old Foxon Road, Apt. 37, East Haven, CT 06513, US, US (Residence), IN (Nationality), (Designated only for: US)
Legal Representative:
MCDONALD John K (et al) (agent), Kilpatrick Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, GA 30309-4530, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200240242 A1 20020523 (WO 0240242)
Application: WO 2001US43748 20011116 (PCT/WO US0143748)
Priority Application: US 2000714255 20001117; US 2001270118 20010221; US 2001946158 20010904; WO 2001US27409 20010904; US 2001982515 20011018; WO 2001US32301 20011018
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: B29C-041/00
International Patent Class: C07K-014/78; A61L-015/32
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 41079

English Abstract
The invention is directed to formation and use of electroprocessed collagen, including use as an extracellular matrix and, together with cells, its use in forming engineered tissue. The engineered tissue can include the synthetic manufacture of specific manufacture of specific organs or tissues which may be implanted into a recipient. The electroprocessed collagen may also be combined with other molecules in order to deliver substances to the site of application or implantation of the electroprocessed collagen. The collagen or collagen/cell suspension is electrodeposited onto a substrate to form tissues and organs.

French Abstract
Cette invention concerne la formation et l'utilisation de collagene soumis a un traitement electrique, avec emploi d'une matrice extra-cellulaire, et son utilisation avec des cellules pour la formation

de tissu manipule. Ce tissu manipule etre obtenu synthetiquement pour la fabrication de tissus et d'organes destines a etre implantes chez un receveur. Le collagene traite electriquement peut egalement etre combine a d'autres molecules en vue de l'acheminement de substances sur son site d'application. Le collagene ou la suspension collagene/cellules est utilise pour la formation de tissus et d'organes par electrodeposition sur un substrat.

Legal Status (Type, Date, Text)
Publication 20020523 A1 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description
... cardiovascular valve, a I 0 tendon, a cornea, a ligament a dental prosthesis, a muscle **implant** , or a **nerve** guide.

Electroprocessing allows great **flexibility** and allows for customizing the construct to virtually any shape needed. Many matrices are sufficiently...

10/5,K/7 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00902330 **Image available**
SUPPORTED LATTICE FOR CELL CULTIVATION
TREILLIS A SUPPORT POUR CULTURE CELLULAIRE
Patent Applicant/Assignee:
PRODESCO INC, 700 Park Avenue, Perkasie, PA 18944, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
GREENHALGH E Skott, 7943 Pleasant Avenue, Wyndmoor, PA 19038, US, US (Residence), US (Nationality), (Designated only for: US)
KAUFMANN Carol A, 200 Baldwin Street, Philadephia, PA 19127, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
BARRON Alexis (et al) (agent), Synnestvedt & Lechner LLP, 2600 Aramak Tower, 1101 Market Street, Philadelphia, PA 19107-2950, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200235990 A2-A3 20020510 (WO 0235990)
Application: WO 2001US48729 20011030 (PCT/WO US0148729)
Priority Application: US 2000244491 20001031
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: A61F-002/00
International Patent Class: C12N-011/02; C12N-011/08; C12N-005/00; C12N-005/06; C12N-005/08
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 5819

English Abstract
A supported lattice is disclosed having a support substrate formed of a plurality of resilient filamentary members braided together to yield a coarse mesh having relatively large interstices and a cell cultivation lattice formed of a plurality of flexible filamentary members braided

together and with the resilient filamentary members to form a fine mesh having small interstices. The cell cultivation lattice provides a bed adapted for growing cells in a two-dimensional array across the large interstices of the support substrate to form a continuous surface of living tissue useful to form a graft.

French Abstract
L'invention concerne un treillis a support comportant un substrat de support forme par une pluralite de membres filamentaires elastiques tresses de facon a former une maille grossiere presentant des interstices relativement grands, ainsi qu'un treillis de culture cellulaire forme par une pluralite de membres filamentaires flexibles tresses entre eux et avec les membres filamentaires elastiques pour former une maille fine presentant de petits interstices. Le treillis de culture cellulaire fournit un lit concu pour la culture de cellules dans une matrice bidimensionnelle, a travers les grands interstices du substrat de support, de sorte a former une surface continue de tissu vivant, utile pour realiser une greffe.

Legal Status (Type, Date, Text)
Publication 20020510 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20020815 Late publication of international search report
Republication 20020815 A3 With international search report.
Examination 20021010 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Claims

Claim
... being interlaced to form a relatively fine mesh defined by relatively small interstices between said **flexible** filamentary members and adapted for cultivating said **nerve** ganglia;
implanting said tubular support substrate within said living tissue between ends of said severed nerve ganglia...

10/5,K/8 (Item 8 from file: 349)

00898698 **Image available**
ELECTROPROCESSING IN DRUG DELIVERY AND CELL ENCAPSULATION
MISE EN OEUVRE D'UN TRAITEMENT ELECTRIQUE POUR L'ADMINISTRATION DE MEDICAMENTS ET L'ENCAPSULATION DE CELLULES

Patent Applicant/Assignee:
VIRGINIA COMMONWEALTH UNIVERSITY INTELLECTUAL PROPERTY FOUNDATION, 1101 East Marshall Street, Room 2015, Richmond, VA 23298, US, US (Residence) , US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SIMPSON David G, 10265 Cloverlea Court, Mechanicsville, VA 23116, US, US (Residence), US (Nationality), (Designated only for: US)
BOWLIN Gary L, 7016 Meredith Farms Dr., Mechanicsville, VA 23111, US, US (Residence), US (Nationality), (Designated only for: US)
WNEK Gary E, 12508 Rocky River Drive, Midlothian, VA 23113-7141, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
PRATT John S (et al) (agent), Kilpatrick Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, GA 30309-4530, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200232397 A2 20020425 (WO 0232397)
Application: WO 2001US32301 20011018 (PCT/WO US0132301)
Priority Application: US 2000241008 20001018; US 2000714255 20001117; US 2001270118 20010222; US 2001946158 20010904; WO 2001US27409 20010904
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: B29C-041/00
International Patent Class: C07K-014/75; A61L-015/32; C12N-005/00;
C12Q-001/02; A61K-047/42; C12N-005/06
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 26794

English Abstract

French Abstract

Legal Status (Type, Date, Text)
Publication 20020425 A2 Without international search report and to be republished upon receipt of that report.
Declaration 20020926 Late publication under Article 17.2a
Republication 20020926 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.
Declaration 20020926 Late publication under Article 17.2a
Correction 20021024 Corrected version of Pamphlet: pages 1/6-6/6, drawings, replaced by new pages 1/8-8/8; due to late transmittal by the receiving Office
Republication 20021024 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Fulltext Availability:
Detailed Description
Detailed Description
... of a stent, a cardiovascular valve, a tendon, a ligament a dental prosthesis, a muscle **implant** , or a **nerve** guide. Electroprocessing allows great **flexibility** and allows for customizing the construct to virtually any shape needed. Many matrices are sufficiently...

10/5,K/9 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00545635 **Image available**
SYSTEM AND METHODS FOR CONTROLLING DEVICES BY BRAIN SIGNALS
SYSTEMES ET PROCEDES DE COMMANDE DE DISPOSITIFS PAR DES SIGNAUX PROVENANT DU CERVEAU
Patent Applicant/Assignee:
EMORY UNIVERSITY,
Inventor(s):
HUMPHREY Donald R,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200009008 A1 20000224 (WO 0009008)
Application: WO 99US18172 19990811 (PCT/WO US9918172)
Priority Application: US 98135249 19980817
Designated States: AU CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: A61B-005/04
Publication Language: English
Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 12524
English Abstract
A system and method control prostheses (200), other devices with signals received by sensors, implanted directly in the brain or other parts of the nervous system of a subject, and transmitted to an external receiver. Included in the system are sensors (5) in the form of bundles of small, insulated, flexible wires (10), configured in a parallel or twisted array, which are used to receive multicellular signals from small clusters of neurons. A new "calibration/adaptation" system is developed, in which the neural signals are cross-correlated with the parameters of a set of standardized or model movements as the subject/patient attempts to emulate the model movements, and on the basis of the correlations the neural signals that are best suited for control of the corresponding movement or movement parameter of the external devices are selected.

French Abstract
L'invention porte sur des systemes et procedes de commande de protheses (200) ou autres dispositifs par des signaux recus par des detecteurs directement implantes dans le cerveau ou dans d'autres parties du systeme nerveux d'un patient et transmis a un recepteur exterieur. Les detecteurs (5) du systeme sont des faisceaux de petits fils (10) isoles et souples, disposes en reseaux paralleles ou torsades, et pouvant capter les signaux multicellulaires de petits amas de neurones. On a mis au point un nouveau systeme d'etalonnage/adaptation etablissant une correlation croisee entre les signaux des neurones et les parametres d'un jeu de mouvements normalises ou modeles alors que le sujet/patient tente de provoquer les mouvements modeles, ainsi qu'une selection, sur la base desdites correlations, des signaux neuronaux les mieux adaptes pour commander les mouvements correspondants ou les parametres de mouvement des dispositifs exterieurs.

Fulltext Availability:
Claims

Claim
... signals to an external receiver, comprising:
A) a plurality of electrodes formed in bundles of **flexible** wires with tips at staggered length aligned to be **implanted** in the **nervous** system for
collecting multicellular signals; and
B) a signal processing mechanism connected to the electrodes...

10/5,K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00319790 **Image available**
FLEXIBLE ARTIFICIAL NERVE PLATE
PLAQUETTE ARTIFICIELLE SOUPLE DE REMPLACEMENT DE NERFS
Patent Applicant/Assignee:
FRAUNHOFER-GESELLSCHAFT ZUR FoRDERUNG DER ANGEWANDTEN FORSCHUNG E V,
MEYER Jorg-Uwe,
STIEGLITZ Thomas,
Inventor(s):
MEYER Jorg-Uwe,
STIEGLITZ Thomas,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9602298 A1 19960201
Application: WO 95EP2754 19950713 (PCT/WO EP9502754)
Priority Application: DE 4424697 19940713
Designated States: JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: A61N-001/05
Publication Language: German
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 3415

English Abstract

A **flexible** , artificial, non-conducting and **implantable** **nerve** plate has an **elasticity** module from about 3000 to 1000 N/mm2 and less than 50 'mu'm thickness. The plate may be inserted and adjusted between the fascicula of a nerve bundle. Several electrodes are arranged on both sides of the nerve plate and are connected by wires inside the nerve plate to a cable integrated into the nerve plate. The cable may be connected to a driving and signal receiving unit.

French Abstract

Une plaque souple artificielle non conductrice et implantable de remplacement de nerfs presente un module d'elasticite compris entre 3000 et 1000 N/mm2 environ et moins de 50 'mu'm d'epaisseur. Cette plaquette est inseree et ajustee entre les fascicules d'un faisceau de nerfs et porte sur ses deux faces plusieurs electrodes connectees par des lignes conductrices a l'interieur de la plaquette, a un cable integre dans la plaquette et connectable a une unite de pilotage et de reception de signaux.

Fulltext Availability:

English Abstract

A **flexible** , artificial, non-conducting and **implantable** **nerve** plate has an **elasticity** module from about 3000 to 1000 N/mm2 and less than 50 'mu'm thickness...

Detailed Description

BESCHREIBUNG

Flexible kUnstliche Nervenplatte

Die Erfindung betrifft eine **flexible** und nicht leitende, kUnstliche **implantierbare** **Nervenplatte** (FNP) zum Einlegen und EinfUgen zwischen die Faszikel eines NervenbUndels.

Technisches Anwendungsgebiet

Das technische Anwendungsgebiet...grosse Verbesserung gegenUber dem Stand der Technik dar.

Mit der Erfindung gelOste Aufgaben

Mit der **implantierbaren** , **flexiblen** **Nervenplatte** ist es mOglich, entlang mehrerer Faszikei oder Nervenfasern dauerhaft multilokal und simulatan Nervensignale abzuleiten und...

Claim

Flexible und nicht leitende, kUnstliche, **implantierbare** **Nervenplatte** mit

einem E-Modul von etwa 3000 - 1 000 N/mm2 und einer Dicke < 50...

```
Set      Items   Description
S1       84722   NEURO? OR NEURA? OR NERVOUS OR NERV?
S2       73027   PROSTHESIS OR PROSTHESES OR IMPLANT?
S3      344740   FLEXIBL? OR FLEXIBILIT? OR ELASTIC? OR NONRIGID? OR NON()R-
             IGID?
S4       84706   S1 NOT NEUROPROSTHES?
S5          16   NEUROPROSTHES?
S6         664   S1(2N)S2 OR S5
S7          34   S6(S)S3
S8          11   S6(10N)S3
S9          11   IDPAT (sorted in duplicate/non-duplicate order)
S10         10   IDPAT (primary/non-duplicate records only)
?show files
File 348:EUROPEAN PATENTS 1978-2002/Nov W02
         (c) 2002 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20021114,UT=20021107
         (c) 2002 WIPO/Univentio
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FT Patents

12/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00480858
Permanent middle ear vent tube.
Dauereinsatzteil zur Beluftung des Mittelohrraumes.
Insert permanent pour ventiler l'oreille moyenne.
PATENT ASSIGNEE:
SMITH & NEPHEW RICHARDS INC., (1190360), 1450 Brooks Road, Memphis, Tennessee 38116, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;NL;SE)
INVENTOR:
Jahn, Anthony F., 20 North Brae Court, Tenafly, New Jersey 07670, (US)
LEGAL REPRESENTATIVE:
Gilholm, Stephen Philip (62752), Corporate Patents Department Smith & Nephew Group Research Centre York Science Park, Heslington York YO1 5DF , (GB)
PATENT (CC, No, Kind, Date): EP 445946 A1 910911 (Basic)
EP 445946 B1 940525
APPLICATION (CC, No, Date): EP 91301488 910225;
PRIORITY (CC, No, Date): US 485642 900227
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: A61F-011/00;
CITED PATENTS (EP A): US 4468218 A; US 4468218 A; EP 309431 A; US 4744792 A ; US 4764168 A

ABSTRACT EP 445946 A1
A permanent middle ear vent tube (20) and method for permanent ventilation of the middle ear include implanting a tube with a tubular base portion (22) having at one end an eccentric flange (26) and formed of a non-compressible material. The tube is implanted in a notch drilled into the bony canal wall and rotating the tube into place. (see image in original document)
ABSTRACT WORD COUNT: 66

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 910911 A1 Published application (A1with Search Report ;A2without Search Report)
Examination: 910911 A1 Date of filing of request for examination: 910308
Examination: 930414 A1 Date of despatch of first examination report: 930302
Grant: 940525 B1 Granted patent
Oppn None: 950517 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	268
CLAIMS B	(German)	EPBBF1	258
CLAIMS B	(French)	EPBBF1	288
SPEC B	(English)	EPBBF1	1813
Total word count - document A			0
Total word count - document B			2627
Total word count - documents A + B			2627

...SPECIFICATION alternatively through the mastoid air cells, with the concomitant risk of damage to the facial **nerve** . The **implant** described in United States Patent 3982545 is also formed of a compressible material such as...

12/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00327869
IMPLANTABLE DEVICES HAVING HYDROPHOBIC COMPONENT.

IMPLANTIERBARE GEGENSTANDE MIT EINEM HYDROPHOBEN BESTANDTEIL.
DISPOSITIFS IMPLANTABLES AYANT UN COMPOSANT HYDROPHOBE.

PATENT ASSIGNEE:
ALLIED-SIGNAL INC. (a Delaware corporation), (943560), Columbia Road and Park Avenue P.O. Box 2245R, Morristown New Jersey 07960, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:
TANG, Reginald Ting-Hong, 5 Deerwood Trail, Warren, NJ 07060, (US)
LARGMAN, Theodore, 7 Upper Field Road, Morristown, NJ 07960, (US)
MARES, Frank, 32 Valley Forge Drive, Whippany, NJ 07981, (US)
CHIU, Tin-Ho, 754 Ridgewood Road, Millburn, NJ 07041, (US)

LEGAL REPRESENTATIVE:
Brock, Peter William et al (28726), URQUHART-DYKES & LORD 91 Wimpole Street, London W1M 8AH, (GB)

PATENT (CC, No, Kind, Date): EP 326583 A1 890809 (Basic)
EP 326583 B1 911023
WO 8804557 880630

APPLICATION (CC, No, Date): EP 88900432 871207; WO 87US3245 871207

PRIORITY (CC, No, Date): US 943511 861217

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: A61L-027/00;

CITED PATENTS (WO A): EP 226061 A; EP 160483 A; US 4534349 A; EP 144534 A; EP 139576 A; US 3833002 A

CITED REFERENCES (EP A):
See also references of WO8804557;

NOTE:
No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	890809 A1	Published application (A1with Search Report ;A2without Search Report)
Examination:	890809 A1	Date of filing of request for examination: 890530
Examination:	901017 A1	Date of despatch of first examination report: 900829
Change:	910116 A1	Representative (change)
*Assignee:	910116 A1	Applicant (transfer of rights) (change): ALLIED-SIGNAL INC. (a Delaware corporation) (943560) Columbia Road and Park Avenue P.O. Box 2245R Morristown New Jersey 07960 (US) (applicant designated states: DE;FR;GB;IT)
*Assignee:	910116 A1	Previous applicant in case of transfer of rights (change): ALLIED CORPORATION (899381) Law Department(F.M. Leather) P.O. Box 2245-R Morristown, NJ 07960 (US) (applicant designated states: DE;FR;GB;IT)
Grant:	911023 B1	Granted patent
Oppn None:	921014 B1	No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	259
CLAIMS B	(German)	EPBBF1	230
CLAIMS B	(French)	EPBBF1	296
SPEC B	(English)	EPBBF1	3865
Total word count - document A			0
Total word count - document B			4650
Total word count - documents A + B			4650

...SPECIFICATION and swelling. This is particularly notable in tubular conduits where the lumen of the tubes **collapse** . Of particular interest are neuronotrophic factors for use in layered **implantable nerve** conduits. Of these growth factors may be mentioned such substances as collagen, fibrinogen, fibronectin, and...

12/5,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00908137 **Image available**

INFLATABLE NEURAL PROSTHESIS

PROTHESE NEURONALE GONFLABLE

Patent Applicant/Assignee:
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Cambridge, MA 02139, US, US (Residence), US (Nationality)

Inventor(s):
WYATT John L, 258 Goodman's Hill Road, Sudbury, MA 01776, US,
SHIRE Douglas B, 128 Rachel Carson Way, Ithaca, NY 14850, US,
RIZZO Joseph, 116 Commonwealth Avenue, Boston, MA 02116, US,

Legal Representative:
PASTERNACK Sam (agent), Choate, Hall & Stewart, Exchange Place, 53 State Street, Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200241814 A2 20020530 (WO 0241814)
Application: WO 2001US43241 20011120 (PCT/WO US0143241)
Priority Application: US 2000717738 20001121

Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61F-009/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 2714

English Abstract

Neural prosthesis for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

French Abstract

L'invention concerne une prothese neuronale en vue de l'implantation dans un oeil. Cette prothese concerne un substrat repliable et au moins un composant electronique supporte par ce substrat. Au moins un microcanal est place dans le substrat. Lors du gonflage, le substrat repliable va se deplier pour assurer un contact etroit du composant electronique avec le tissu neuronal, ce qui facilite l'implantation chirurgicale par une incision etroite, tout en permettant au dispositif deplie de recouvrir une partie suffisamment large de la retine du patient pour assurer une vision utile.

Legal Status (Type, Date, Text)
Publication 20020530 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:
Detailed Description
Claims

English Abstract

Neural prosthesis for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel...

Detailed Description

... the leading cause of blindness in the Western street unaided.

SummM of the Invention

The **neural prosthesis** according to the invention includes a **foldable** substrate with a least one electronic component supported by the

substrate. At least one air...

...or fluid can flow into the channel in each of the projecting structures.

Because the **neural prosthesis** of the invention includes a **foldable** substrate, the prosthesis can be inserted, for example, into the eye in a folded state...

Claim
7
. **Neural prosthesis** comprising:
a **foldable** substrate-,
at least one electronic component supported by the substrate; and
at least one inicrochannel...

...neural prosthesis of claim I wherein the electronic component is an electrode array.

4 The **neural prosthesis** of claim 3 wherein the **foldable** substrate in an expanded state provides close apposition between the electrode array and neural tissue...

...of pressurized gas or fluid includes means f6r alterifig the degree of inflation of the **prosthesis** .

12 The **neural prosthesis** of claim I wherein the **foldable** substrate includes structure for attaching a source of pressurized gas or fluid for inflating the...
...of pressurized gas or fluid includes means for altering the degree of inflation of the **prosthesis** .

15 The **neural prosthesis** of claim 1 wherein the substrate includes multiple 1 5 **foldable** sections.
9

12/5,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00908083 **Image available**
INFLATABLE NEURAL PROSTHESIS
PROTHESE NEURALE GONFLABLE
Patent Applicant/Assignee:
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Cambridge, MA 02139, US, US (Residence), US (Nationality)
Inventor(s):
WYATT John L, 258 Goodman's Hill Road, Sudbury, MA 01776, US,
SHIRE Douglas B, 128 Rachel Carson Way, Ithaca, NY 14850, US,
RIZZO Joseph, 116 Commonwealth Avenue, Boston, MA 02116, US,
Legal Representative:
PASTERNACK Sam (agent), Choate, Hall & Stewart, Exchange Place, 53 State Street, Boston, MA 02109, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200241754 A2 20020530 (WO 0241754)
Application: WO 2001US43343 20011119 (PCT/WO US0143343)
Priority Application: US 2000717738 20001121
Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: A61B
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 2723

English Abstract

Neural prosthesis for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon inflation, the foldable substrate will unfold to provide for close contact of the electronic component with neural tissue, thus facilitating surgical implantation through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

French Abstract

L'invention concerne une prothese neurale destinee a etre implantee dans un oeil. Cette prothese comprend un substrat pliable et au moins un composant electronique supporte par le substrat. Au moins un microcanal est dispose a l'interieur du substrat. Au moment du gonflage, le substrat pliable se deplie de facon a procurer un contact etroit entre le composant electronique et le tissu neural, facilitant ainsi l'implantation chirurgicale par une mince incision tout en permettant au dispositif deplie de couvrir une partie suffisamment etendue de la retine du patient pour procurer une vision utile.

Legal Status (Type, Date, Text)
Publication 20020530 A2 Without international search report and to be republished upon receipt of that report.
Withdrawal 20020906 Withdrawal of international application after international publication

Fulltext Availability:
Detailed Description
Claims

English Abstract

Neural prosthesis for **implantation** within an eye. The prosthesis includes a **foldable** substrate and at least one electronic component supported by the substrate. At least one microchannel...

Detailed Description

... blindness in the Western WO 02/41754 PCT/USOI/43343
SumrnM of the Invention'
The **neural prosthesis** according to the invention includes a **foldable** substrate with a least one electronic component supported by the substrate. At least one air...

...or fluid can flow into the channel in each of the projecting structures.

Because the **neural prosthesis** of the invention includes a **foldable** substrate, the prosthesis can be inserted, for example, into the eye in a folded state...

Claim

7
. **Neural prosthesis** comprising:
a **foldable** substrate;
at least one electronic component supported by the substrate; and
at least one microchannel...

...neural prosthesis of claim 1 wherein the electronic component is an electrode array.

4 The **neural prosthesis** of claim 3 wherein the **foldable** substrate in an expanded state provides close apposition between the electrode array and neural tissue...

...of pressurized gas or fluid includes means for altering the degree of inflation of the **prosthesis** .

12 The **neural prosthesis** of claim I wherein the **foldable** substrate includes structure for attaching a source of pressurized gas or fluid for inflating the...

...of pressurized gas or fluid includes means for altering the degree of inflation of the **prosthesis** .

15 The **neural prosthesis** of claim I wherein the substrate includes multiple 1 5 **foldable** sections.
9

12/5,K/5 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00901878
METHODS FOR TREATING ENDOCRINE DISORDERS
METHODES DE TRAITEMENT DE TROUBLES ENDOCRINIENS
Patent Applicant/Assignee:
ALLERGAN SALES INC, 2525 Dupont Drive, Irvine, CA 92612, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
DONOVAN Stephen, 27252 Calle Anejo, Capistrano Beach, CA 92624, US, US (Residence), CA (Nationality), (Designated only for: US)
Legal Representative:
DONOVAN Stephen (et al) (agent), c/o Allergan Sales, Inc., 2525 Dupont Drive, Irvine, CA 92612, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200234286 A1 20020502 (WO 0234286)
Application: WO 2001US26123 20010821 (PCT/WO US0126123)
Priority Application: US 2000692811 20001020
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: A61K-038/48
International Patent Class: A61P-005/00; A61P-015/16; A61P-015/18
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14767

English Abstract
Methods for treating endocrine disorders and for inhibiting gametogenesis by intracranial administration to a human patient of a therapeutically effective amount of a neurotoxin, such as a botulinum toxin type A.

French Abstract
L'invention concerne des methodes permettant de traiter des troubles endocriniens et d'inhiber la gametogenese par administration, dans la boite cranienne d'un patient humain, d'une quantite therapeutiquement efficace d'une neurotoxine, telle qu'une toxine botulinique de type A.

Legal Status (Type, Date, Text)
Publication 20020502 A1 With international search report.
Publication 20020502 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Claim Mod 20020829 Later publication of amended claims under Article 19 received: 20020423
Republication 20020829 A1 With international search report.
Republication 20020829 A1 With amended claims.

Fulltext Availability:
Detailed Description

Detailed Description
... size desired and hence the amount of incorporated neurotoxin, a suitable amount of the dried **neurotoxin** incorporating **implant** is **compressed** at about 8000 p.s.i. for 5 seconds or at 3000 p.s.i...

12/5,K/6 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00869828
B7-LIKE POLYNUCLEOTIDES, POLYPEPTIDES, AND ANTIBODIES
POLYNUCLEOTIDES DU TYPE B7, POLYPEPTIDES ET ANTICORPS EN RAPPORT
Patent Applicant/Assignee:
HUMAN GENOME SCIENCES INC, 9410 Key West Avenue, Rockville, MD 20850, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
FISCELLA Michele, 6308 Redwing Road, Bethesda, MD 20817, US, US (Residence), IT (Nationality), (Designated only for: US)
NI Jian, 17815 Fair Lady Way, Germantown, MD 20874, US, US (Residence), CN (Nationality), (Designated only for: US)
RUBEN Steven M, 18528 Heritage Hills Drive, Olney, MD 20832, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
HOOVER Kenley (et al) (agent), 9410 Key West Avenue, Rockville, MD 20850, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200202587 A1 20020110 (WO 0202587)
Application: WO 2001US20917 20010629 (PCT/WO US0120917)
Priority Application: US 2000215135 20000630; US 2000225266 20000814
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: C07H-021/04
International Patent Class: C12N-015/10; C12N-015/11; C12N-015/12
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 194342

English Abstract
The present invention relates to novel human B7-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human B7-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human B7-like polypeptides.

French Abstract
Cette invention a trait a de nouveaux polypeptides humains du type B7 ainsi qu'a des acides nucleiques isoles contenant les regions codantes des genes codant ces polypeptides. Elle concerne egalement des vecteurs, des cellules hotes et des anticorps ainsi que des techniques de recombinaison permettant de produire ces polypeptides du type B7. Elle porte, en outre, sur des methodes diagnostiques et therapeutiques des plus utiles en matiere de diagnostic et de traitement d'etats pathologiques lies a ces nouveaux polypeptides humains du type B7.

Legal Status (Type, Date, Text)
Publication 20020110 A1 With international search report.
Publication 20020110 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Publication 20020110 A1 With an indication in relation to deposited biological material furnished under Rule 13bis separately from the description.
Publication 20020110 A1 Sequence listing published separately in electronic form and available upon request from the International Bureau.
Examination 20020510 Request for preliminary examination prior to end of 19th month from priority date

12/5,K/7 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00864016
METHOD FOR TREATING A MOVEMENT DISORDER
METHODE DE TRAITEMENT D'UNE DYSKINESIE
Patent Applicant/Assignee:
ALLERGAN SALES INC, 2525 Dupont Drive, Irvine, CA 92612, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
DONOVAN Stephen, 27252 Calle Anejo, Capistrano Beach, CA 92624, US, US (Residence), CA (Nationality), (Designated only for: US)
Legal Representative:
DONOVAN Stephen (et al) (agent), c/o Allergan Sales, Inc., 2525 Dupont Drive, Irvine, CA 92612, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200195924 A2-A3 20011220 (WO 0195924)
Application: WO 2001US17365 20010529 (PCT/WO US0117365)
Priority Application: US 2000596306 20000614
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: A61K-038/48
International Patent Class: A61P-025/14; A61P-025/16; A61P-021/02
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 15396

English Abstract
Methods for treating a movement disorder by intracranial administration to a human patient of a therapeutically effective amount of a neurotoxin, such as a botulinum toxin type A.

French Abstract
Methodes de traitement d'une dyskinesie par l'administration intracranienne a un patient humain d'une dose therapeutique efficace d'une neurotoxine telle qu'une toxine botulinique type A.
Legal Status (Type, Date, Text)
Publication 20011220 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20020228 Late publication of international search report
Republication 20020228 A3 With international search report.
Examination 20020404 Request for preliminary examination prior to end of

19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... size
desired and hence the amount of incorporated neurotoxin, a suitable amount of the dried **neurotoxin** incorporating **implant** is **compressed** at
about 8000 p.s.i. for 5 seconds or at 3000 p.s for...

12/5,K/8 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00206341
AUTOTRANSPLANTATION OF SCHWANN CELLS TO PROMOTE NERVOUS SYSTEM REPAIR
AUTOTRANSPLANTATION DE CELLULES DE SCHWANN FAVORISANT LA REPARATION DU SYSTEME NERVEUX
Patent Applicant/Assignee:
UNIVERSITY OF MIAMI AND ITS SCHOOL OF MEDICINE,
Inventor(s):
BUNGE Richard P,
WOOD Patrick M,
KLEITMAN Naomi,
MORRISSEY Thomas K,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9203536 A1 19920305
Application: WO 91US5817 19910815 (PCT/WO US9105817)
Priority Application: US 90530 19900815
Designated States: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IT JP KR LK LU MC MG ML MN MR MW NL NO PL RO SD SE SN SU TD TG
Main International Patent Class: C12N-005/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14517

English Abstract
The present invention relates to methods of promoting nervous system repair comprising transplanting autologous Schwann cells into a region of nervous tissue injury. In particular embodiments of the invention, Schwann cells for autologous grafting may be harvested from a patient in need of such treatment and then propagated in culture. The present invention provides for cell culture methods which yield essentially pure populations of Schwann cells in substantial numbers which may preferably be derived from segments of adult peripheral nerve.

French Abstract
L'invention concerne des procedes favorisant la reparation du systeme nerveux et consistant a transplanter des cellules de Schwann autologues dans une region d'une lesion des tissus du systeme nerveux. Dans des modes particuliers de realisation de l'invention, des cellules de Schwann pour une greffe autologue peuvent etre prises chez un patient ayant besoin d'un tel traitement puis elles peuvent se propager en culture. La presente invention fournit des procedes de culture de cellules qui produisent essentiellement des populations pures de cellules de Schwann en quantite substantielle et qui peuvent etre derivees de preference de segments de nerfs peripheriques adultes.

Fulltext Availability:
Detailed Description

Detailed Description

... survival periods. The
axons within the graft always appeared related to Schwann
cells, Acellular collagen **rolls** did not show axonal
ingrowth, These Schwann cell-collagen **implants** resemble
peripheral **nerve** grafts in their ability to induce axonal
regeneration into the graft,
We report here preliminary...

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Set      Items   Description
S1       84722   NEURO? OR NEURA? OR NERVOUS OR NERV?
S2       73027   PROSTHESIS OR PROSTHESES OR IMPLANT?
S3      553126   COMPACT? OR FOLD? OR ROLL? OR COMPRESS? OR COLLAPS?
S4       40275   ROLLS
S5      559295   S3 OR S4
S6          16   NEUROPROSTHES?
S7       84722   S1 OR S6
S8         658   S7(2N)S2
S9          33   S8(S)S5
S10          9   S8(10N)S5
S11          9   IDPAT (sorted in duplicate/non-duplicate order)
S12          8   IDPAT (primary/non-duplicate records only)
?show files
File 348:EUROPEAN PATENTS 1978-2002/Nov W02
         (c) 2002 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20021114,UT=20021107
         (c) 2002 WIPO/Univentio
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